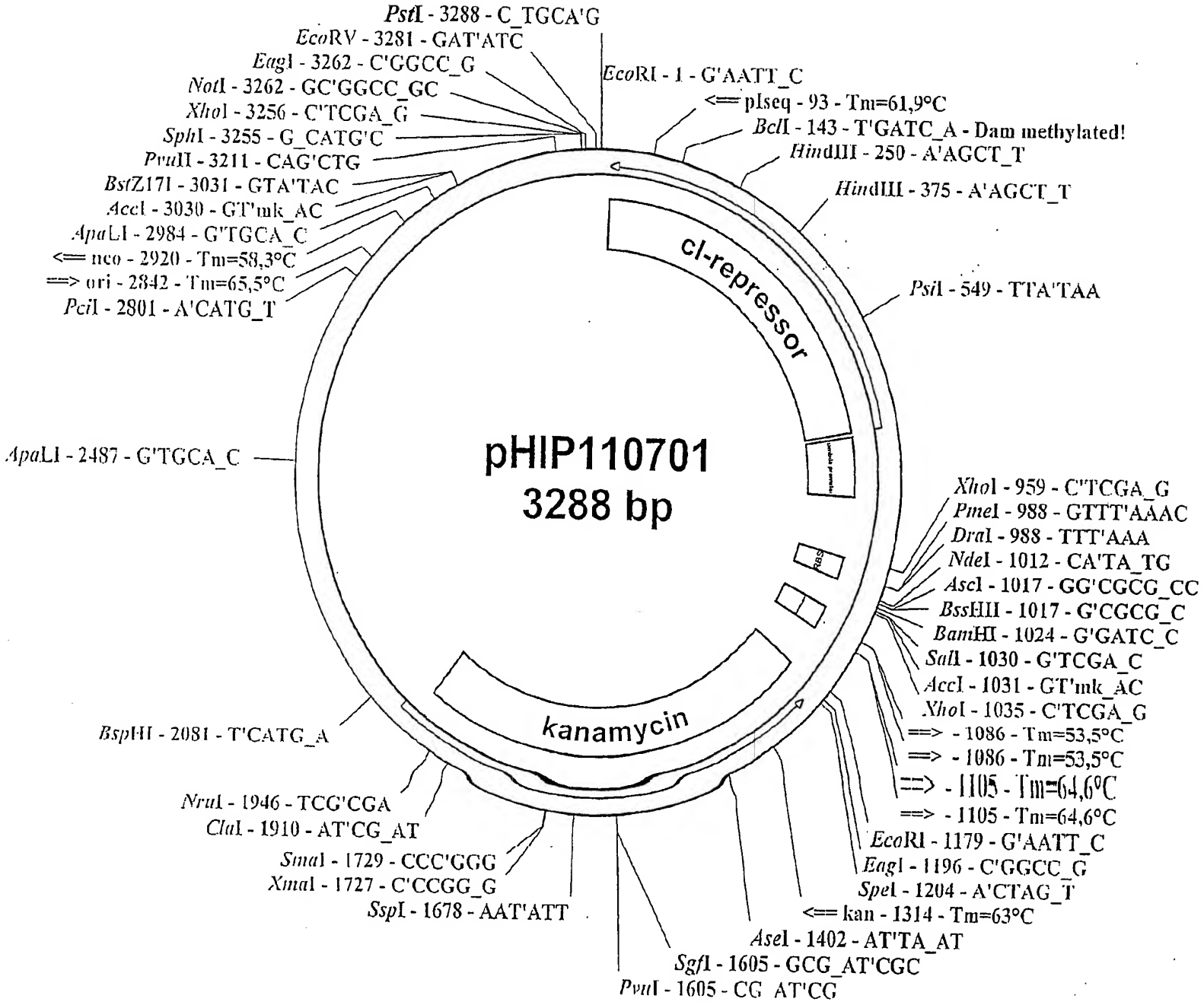
Figure 1


pHIP110701
3288 bp
cI-repressor
kanamycin
PstI - 3288 - C_TGCA'G
EcoRV - 3281 - GAT'ATC
EagI - 3262 - C'GGCC_G
NotI - 3262 - GC'GGCC_GC
XhoI - 3256 - C'TCGA_G
SphI - 3255 - G_CATG'C
PvuII - 3211 - CAG'CTG
BstZ17I - 3031 - GTA'TAC
AccI - 3030 - GT'mk_AC
ApaLI - 2984 - G'TGCA_C
<== neo - 2920 - Tm=58,3°C
==> ori - 2842 - Tm=65,5°C
PciI - 2801 - A'CATG_T
ApaLI - 2487 - G'TGCA_C
BspHI - 2081 - T'CATG_A
NruI - 1946 - TCG'CGA
ClaI - 1910 - AT'CG_AT
SmaI - 1729 - CCC'GGG
XmaI - 1727 - C'CCGG_G
SspI - 1678 - AAT'ATT
PvuI - 1605 - CG AT'CG
SgfI - 1605 - GCG_AT'CGC
AseI - 1402 - AT'TA_AT
<== kan - 1314 - Tm=63°C
SpeI - 1204 - A'CTAG_T
EagI - 1196 - C'GGCC_G
EcoRI - 1179 - G'AATT_C
==> - 1105 - Tm=64,6°C
==> - 1105 - Tm=64,6°C
==> - 1086 - Tm=53,5°C
==> - 1086 - Tm=53,5°C
XhoI - 1035 - C'TCGA_G
AccI - 1031 - GT'mk_AC
SalI - 1030 - G'TCGA_C
BamHI - 1024 - G'GATC_C
BssHII - 1017 - G'CGCG_C
AscI - 1017 - GG'CGCG_CC
NdeI - 1012 - CA'TA_TG
DraI - 988 - TTT'AAA
PmeI - 988 - GTTT'AAAC
XhoI - 959 - C'TCGA_G
PsiI - 549 - TTA'TAA
HindIII - 375 - A'AGCT_T
HindIII - 250 - A'AGCT_T
BclI - 143 - T'GATC_A - Dam methylated!
<== pIseq - 93 - Tm=61,9°C
EcoRI - 1 - G'AATT_C

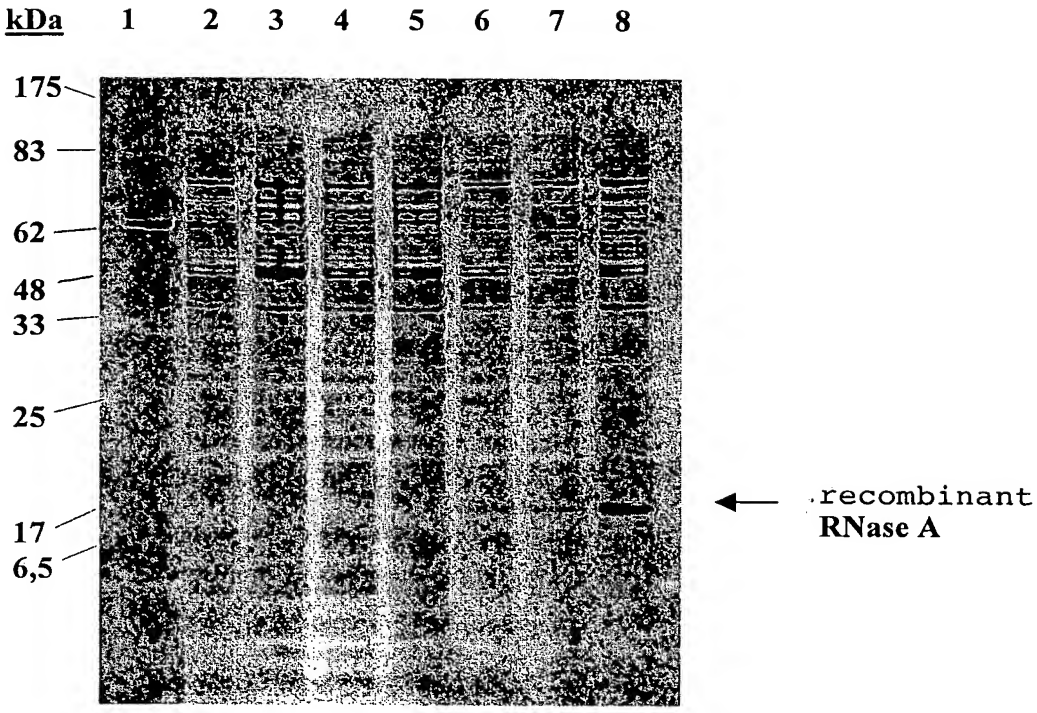


Figure 2

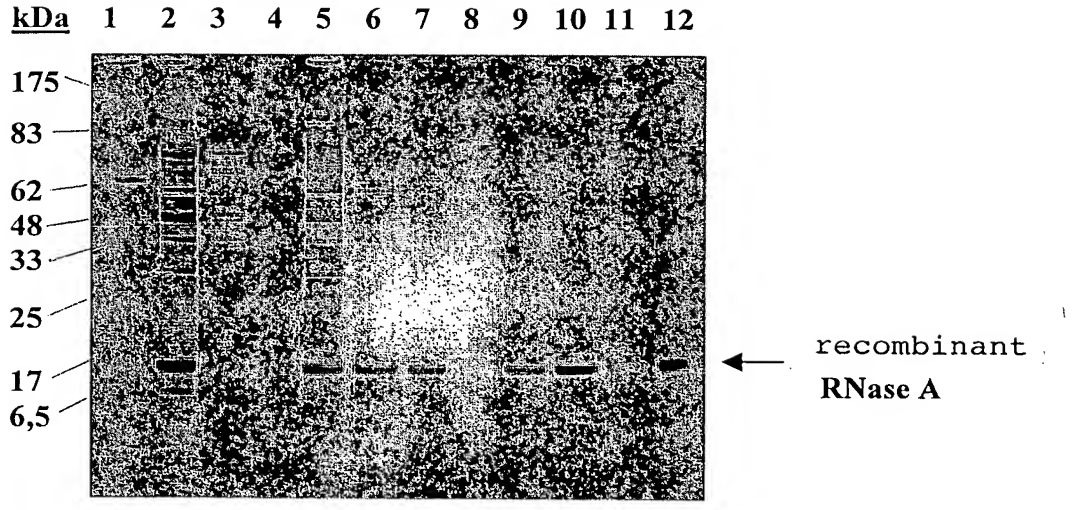


Figure 3

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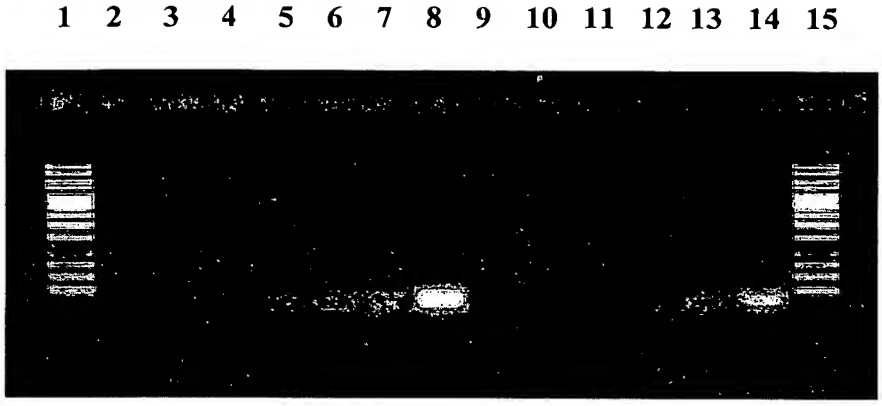

Figure 4a

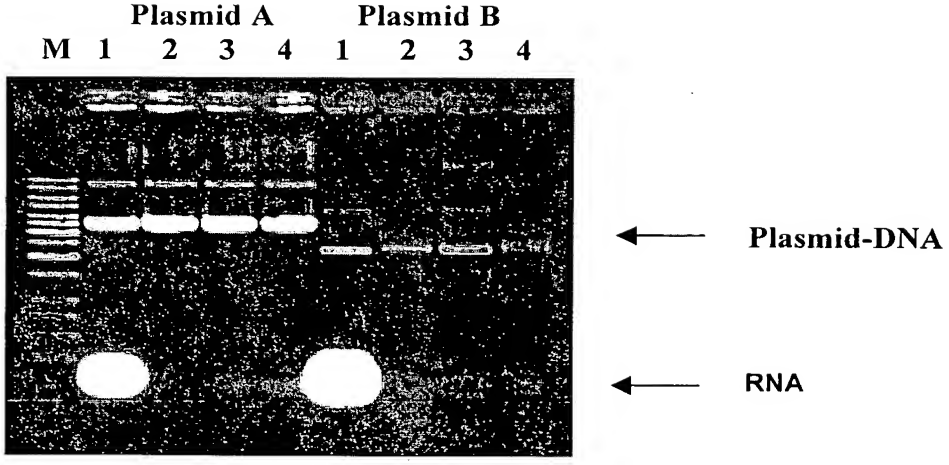

Figure 4b

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